# W76571

## DT15-AM/1900 Fresnel EN Grade 3 Dual Motion Sensor, Anti mask

### Performance Line- Dual Technology

The Performance Line is the line of legacy Guardall motion sensors (PQ15 and DT15 series) and both series are intended for the protection of residential and commercial premises.
DT15 AM incorporates a highly effective X-band microwave together with well-proven PIR technology. This pairing produces a superb dual technology sensor that greatly improves false alarm immunity.
Featuring an advanced 'through-the-lens' active IR and microwave anti-mask system, the sensor detects any attempt to mask or inhibit detection of one or both alarm technologies. Anti-stealth precisely analyses microwave and PIR activity in
a room and significantly increases detection in extreme conditions. It also combats intrusion attempts using infrared screening materials, and a sneak mirror is used to improve catch performance.

It has been designed to be simple to install with three LED's within the sensor to facilitate efficient analysis of the technologies. Incorporating a unique varifocal lens design that allows the unit to be mounted between 2.1 and 2.5m without
adjustment.



### Details

- 15m/10m dual technology detector
- Active IR anti-masking
- Enhanced DT processing
- Anti-Stealth technology™
- Selectable End Of Line resistances
- Adjustment-free optics
- Redesigned housing shared across platform range
- Varifocal lens design
- EN50131 Grade 3

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## DT15-AM/1900 Fresnel EN Grade 3 Dual Motion Sensor, Anti mask

## Technical specifications

### General

| | |
|---|---|
| Technology | Dual |
| Application type | Montaje en pared |
| Anti masking | No |
| Pet immune | No |
| Camera | No |
| Microwave range adjustment | 50% to 100% of range via pot adjustment |
| Fluorescent lights | Microwave channel rejects these to within 2m of an 80W tube |
| Aux. period | Duration of fault or mask condition. |
| Walk test LED's | RED - Unit alarm |
| | GREEN - Microwave channel |
| | YELLOW - PIR channel |
| Remote LED enable | Control of LED indication using Test line |
| Anti-masking | Indicated on Aux output and LED’s if selected |
| Microwave/PIR trouble | Indicated on LED’s if selected |

### Detection

| | |
|---|---|
| Max. detection range | 15 m |
| Microwave frequency (nom.) | X-band |
| Max. microwave output (at 1m) | 0.011 µW/cm2 |
| Undercrawl protection | No |
| Alarm time | 3 sec |
| Peak-to-peak ripple immunity | 2 V at 12 VDC |
| PIR coverage adjustment | Vertically: none required |
| | Horizontally: ±5° corner mounted |

### Wired/wireless

| | |
|---|---|
| Wired-wireless | Kablede |

### Inputs/outputs

| | |
|---|---|
| Alarm relay characteristic | Normally closed (NC), voltage free, solid state relay rated at 30 VDC, 50 mA with a max. 26 ohm ON resistance. |
| Tamper relay characteristic | Normally closed (NC), voltage free, solid state relay rated at 24 V dc, 50 mANormally closed (NC), voltage free, solid state relay rated at 24 VDC, 50 mA |
| Test Input | Low or open circuit for LED disable, detector supply to activate |

### Electrical

| | |
|---|---|
| Power supply value | 9 to 16 VDC (12V nominal) |
| Current consumption | 13 mA at 12 V (quiescent no alarm)<br>21 mA at 12 V (max. all LEDs ON) |

### Physical

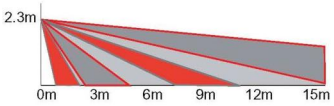
| | |
|---|---|
| Physical dimensions | 110 x 66 x 42 mm (H x W x D) |
| Shipping weight | 135 g |
| Colour | Hvid |

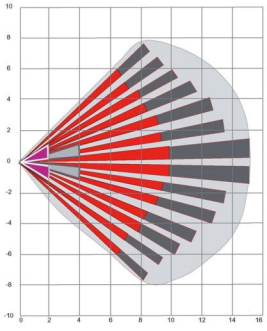
### Environmental

| | |
|---|---|
| Operating temperature | -10 to +55°C (14 to 130°F) |
| Environment | Indendør |

### Regulatory

| | |
|---|---|
| EN50131 grade | Lønklasse 3 |



CADDX

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